

Notice of Allowability

Application No.

09/996,802

Applicant(s)

SATO ET AL.

Examiner

Michael J Feely

Art Unit

1712

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to after-final amendment filed 10/17/03.
2. ☒ The allowed claim(s) is/are 1-21.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. <u>1103</u> . |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. <u>1003</u> | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

EXAMINER'S AMENDMENT

1. An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on November 10, 2003, Willem F. DeWeerd (Reg. No. 51,613) requested an extension of time for 1 MONTH(S) and authorized the Director to charge Deposit Account No. 02-2135 the required fee of \$110.00 for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the claims:

In claim 2, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 3, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 4, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 5, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 6, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 7, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 8, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 9, line 2: replace "the interlayer" with --an interlayer--.

In claim 9, line 3: replace "the printed wiring board" with --a printed wiring board--.

10. (Amended) A resin applied-copper foil constituted by forming a resin layer on a surface of copper foil employing the resin compound for fabricating an interlayer dielectric of a printed wiring board as set forth in claim 1.

11. (Amended) A copper-clad laminate comprising copper foil and the resin sheet according to claim 9.

12. (Amended) A copper-clad laminate comprising copper foil and the resin applied-copper foil according to claim 10.

In claim 14, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 15, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 16, line 2: replace "the printed wiring board" with --a printed wiring board--.

In claim 17, line 2: replace "the printed wiring board" with --a printed wiring board--.

18. (Amended) A method, for producing a resin composition used for fabricating an interlayer dielectric of a printed wiring board, according to claim 13, wherein said resin composition is added to and dissolved in the solvent to a solids content of 40 to 50% by weight, wherein 100 parts of said resin composition comprises: 20 to 70 parts by weight of an epoxy based resin comprising epoxy resins having two or more glycidyl groups per molecule; 10 to 50 parts by weight of maleimide compounds having thermosetting properties; 5 to 30 parts by weight of polymers having crosslinkable functional groups within a molecule; and a balance being a crosslinker added as necessary and a phenol novolak epoxy resin curing agent containing triazine rings within a molecule.

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In claim 19, line 2: replace "the printed wiring board" with --a printed wiring board--.

Communication

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael J Feely whose telephone number is 703-305-0268. The examiner can normally be reached on M-F 8:30 to 5:00.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

Michael J. Feely
Patent Examiner
Art Unit 1712

November 10, 2003



Robert Dawson
Supervisory Patent Examiner
Technology Center 1700